

Population & Water Demands

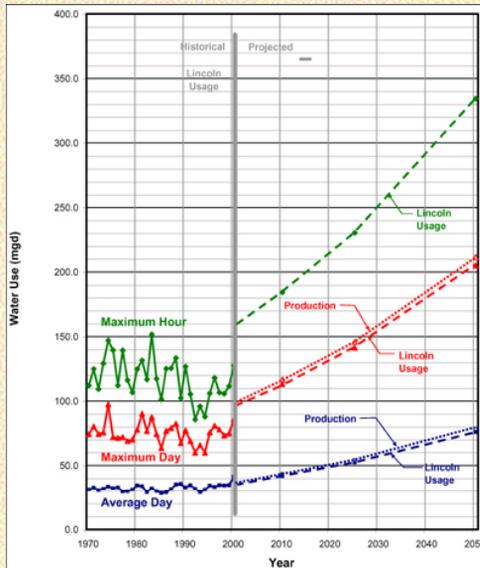


Figure I-13

LWS Observations



■ 25 Year Cost of Growth Summary

– Supply	\$ 48 million
– Treatment	\$ 31 million
– Transmission	\$ 30 million
– <u>Distribution</u>	<u>\$110 million</u>
TOTAL	\$219 million

Plus Costs to Maintain Existing Infrastructure and General System Improvements, and any Future Regulatory Requirements

Construction Project Costs

- Preliminary design
- Design
- ROW /Survey
- Construction
- Observation /Construction

Sample Component Costs - Water

- Mains \$5-\$7 / inch diameter ft
 - 6 inch, 400 ft \$12K - \$16.8K
 - 16 inch, 400 ft \$32K - \$44.9K
- Storage (80 cents / gallon)
 - 10 M gallon @ 84th & Yankee Hill \$8 million
- Treatment Plant Addition
 - 25 million gallon \$16 million

Sample Project

- From CIP

– 54” Greenwood - NE Pump

06	07	08
2,000 RB	7,790 RB	10,000 RB
	2,210 UR	1,000 UR

- Facilities Study Cost

(millions)	<u>2003</u>	<u>CIP</u>
– Greenwood to NE	\$19	\$23
– NE to Vine	\$11	?

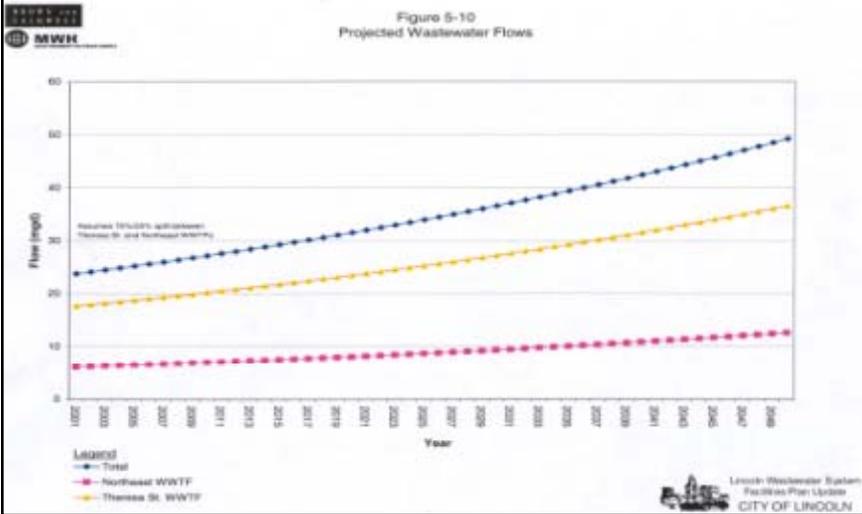


Facilities Plan Update

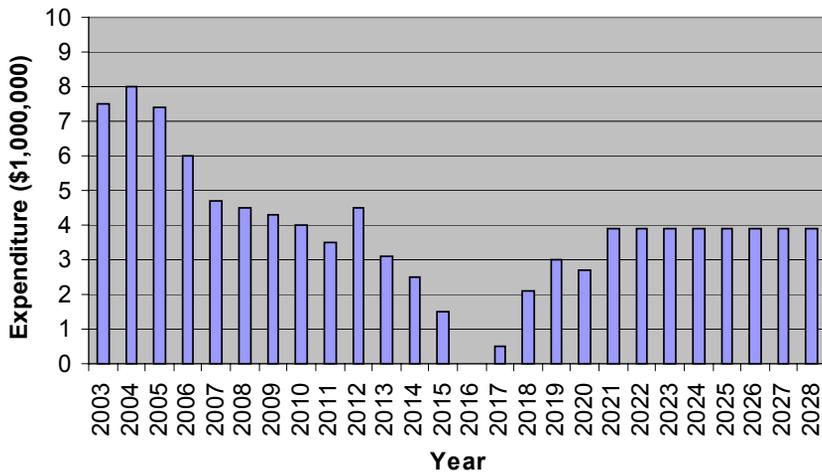
Lincoln Wastewater System

 /  **MWH**
MONTGOMERY-PARSON HANCOCK

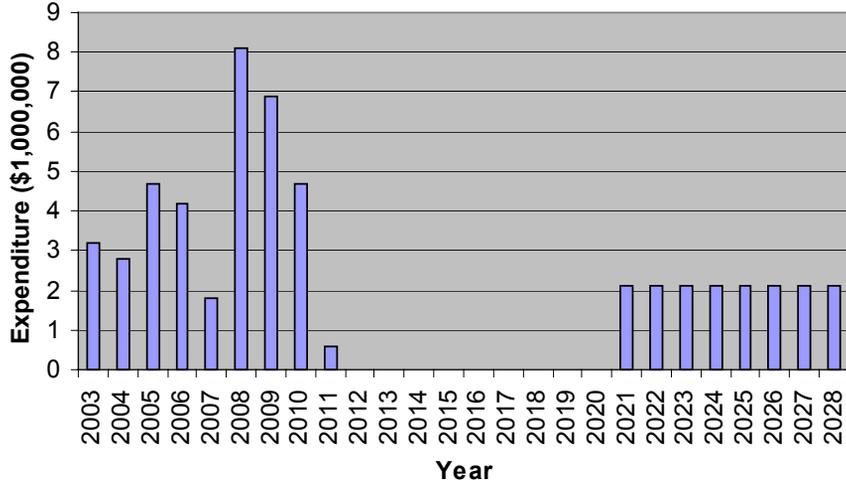
Projected Wastewater Flows



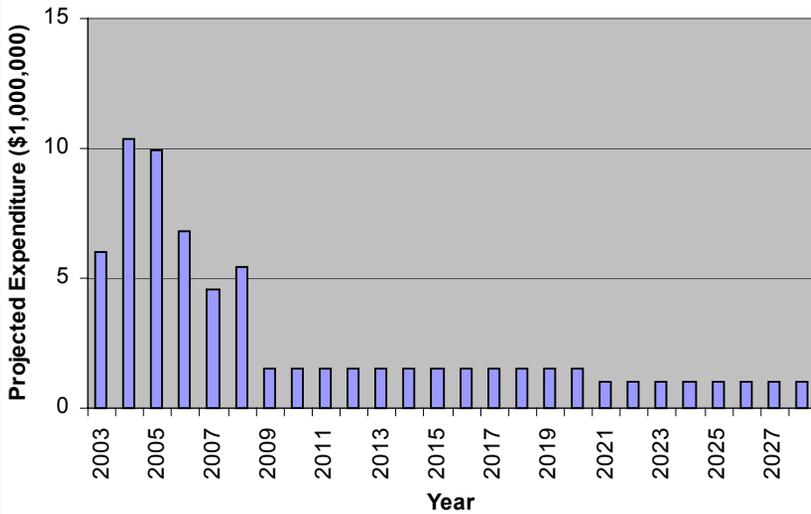
Theresa St WWTF Projected Capital Expenditures



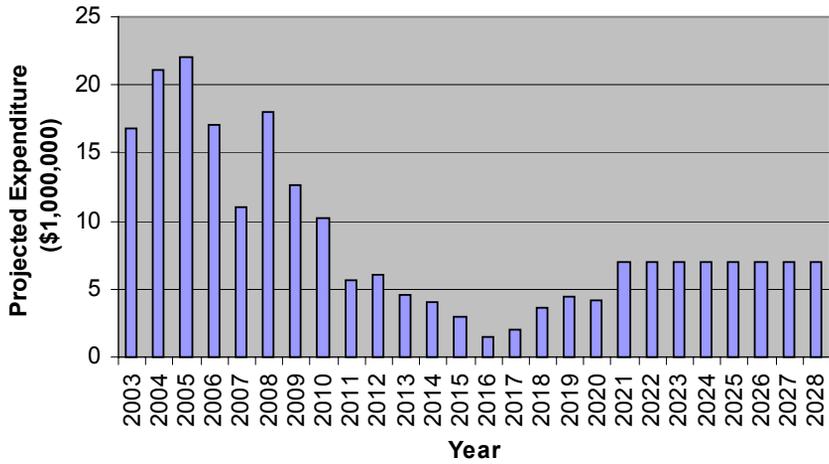
Northeast WWTF Projected Capital Expenditures



Lincoln WW Collection System Projected Capital Expenditures



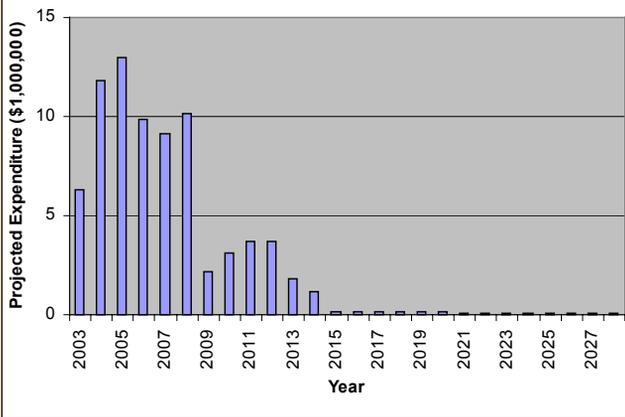
Total Lincoln Wastewater Projected Capital Expenditures



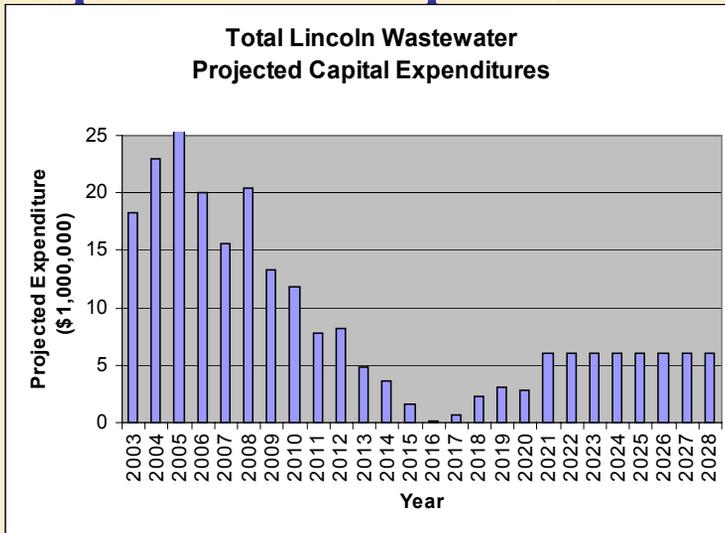
Collection System Improvement Costs



Lincoln WW Collection System Projected Capital Expenditures



Project Wastewater Capital Improvement Expenditures



BEORN AND
CADDRELL



MWH
WATER • ENERGY • ENVIRONMENT

Projected Lincoln Wastewater System Capital Improvement Costs *

2003 through 2028

Theresa Street WWTF	\$101,000,000
Northeast WWTF	\$57,000,000
Collection System	\$67,000,000
TOTAL:	\$225,000,000

* All costs are in 2002 dollars.

Factors Influencing CIP Budgeting

- Revenue timing
- Weather
- Bid on cash flow vs. total in place
- Timing for regulations
- “Just in time” bidding
- How busy are contractors
- Equipment delivery
- Regional cost (ENR index)
- Annual adjustments with CIP